

February 11, 2004

Dear Loren,

I hope DWR staff finds the following useful in finalizing the Colorado River Region write up:

1 -- The information in the box on page 15 is directly quoted from an October 17, 2003, Associated Press release. I will send the attachment containing this table, so the source information can be included on the table.

2 -- IID water conservation activities include the following:

Since the 1940s, IID has been supporting on-farm conservation and undertaking conservation measures on its own (for details see attached file, Table 1...doc). Since 1988, IID has been pursuing water transfer opportunities that have been or will be translated into conservation. I will attach a file that lists these activities. The can also be found in IID's Ag Water Management Plan which was endorsed by the Ag Water Management Council in November 2003.

Water Conservation Activity Summary along with the Annual Estimated Amount Conserved for each is as follows:

• Farmer Initiated Measures ¹	385 taf
• Canal Lining (1116 miles out of 1668 miles of canals)	58 taf
• Seepage Recovery	24 taf
• Regulating Reservoirs	16 taf
• IID Water Conservation Programs (begun in 1979) ²	40 taf
• IID / MWD Agreement	105,130 taf
TOTAL	628,130 taf

¹ Lining head ditches, land leveling, land formation, on-farm irrigation practices, etc

² 13- Point Water Conservation Program, which became the 21-Point Program, and which is now the 15-Point Program; Water Conservation Advisory Board (meets monthly gives input to IID staff & Board); Water Conservation Program (hired staff, now call Irrigation Management Unit); 12-hour delivery program, etc. For details & additional programs, see attached file, Table 1. IID Water Conservation...

3 – IID is the world premier gravity-flow irrigation district. IID's delivery efficiency is 90%.

During Annual Year 2001, of 2.963 taf inflow at Pilot Knob, by the time the district service area is reached 94 taf had seeped from the All American Canal while another 5 taf went to E & ET. That left 2857 taf measured at Mesa Lateral 5 (just upstream of the East Highline Canal, IID's eastern service boundary). Of this, 105 taf were delivered for municipal & industrial use and 2,490 taf were delivered for agricultural use, for a total delivery of 2,599 taf. 2599 divided by 2857 = 91% of water received at IID service area was delivered to IID customers. **Source:** CH2MHILL Figure 3.2-21, IID Water Conservation and Transfer Project Draft EIR/EIS). See attached file CH2MHill_IID Water Balance_2001_...pdf

4 – IID farmers have the highest on-farm efficiency of any Colorado River water users, with the possible exception of CVWD.

Major consulting firms have evaluated IID farmer's on-farm efficiency. They have reported it to be in the range of 79% ± 5% -- that is anywhere from 74% to 84%. Aside from being within reasonable limits of statistical error when measuring such a large amount of water, the variation is also a consequence of the analysis of tailwater. That is, how much of the flow off of the farmland was allotted to tailwater and how much of that tailwater flow was deemed to be a beneficial use.

5 – DWR has on file at both the Sacramento office (and at least a draft at the Glendale office) of the IID *2002 Agricultural Water Management Plan*. The IID Board of Directors adopted this plan on June 13, 2002. IID submitted the plan to the Ag Water Management Council in September 2002, and it was endorsed by the AWMC in November 2003.

In particular, Exhibits 7, 9, 11, 14, 15, 16, and 17 provide detailed information about IID's water conservation activities and their results.

In addition, both offices must have the Summary Report - Technical Review and Evaluation of the Imperial Irrigation District Agricultural Water Management Plan prepared by Baryohay Davidoff, Sergio Fiero, Steve Cowdin and David Inoue. In case this is not readily available, I am attaching a version from Aug 2003. Starting on Page 6, Efficient Water Managemenet Practices, List A through the end of the document through the end of the report are cited IID water conservation activites along with several DWR recommendations where IID could improve such activities.

Anisa Divine